

Performance Traps

Trap tables list all the traps supported by the SNMP agent, the text displayed for each trap, trap thresholds and intervals, and any special notes pertaining to the trap.

Table 1 on page 1 describes the symbols used in the performance traps tables.

Table 1: Symbols in Performance Traps Tables

Symbol	Description
\$S	Severity level of the trap: MINOR, MAJOR, CRITICAL, or CLEAR
\$D	Status data
\$P	Polling interval
\$T	Threshold value
\$A	Trap action; displayed as RAISED or CLEARED
\$L	“Exceeded” if the trap is raised; “ is below” if the trap is cleared

SRC performance trap tables contain a trap ID, text displayed, and default values for alarm threshold levels, as well as rate (R) and absolute values (AV) fields.

R/AV

Each performance trap table has a field called R/AV. R means rate, and AV means absolute value.

- Rate is used for variables that are counters. The rate is the difference between the current value of the underlying MIB variable being monitored and its previous value, which was read < interval > time ago. The interval length affects those values that are appropriate for the thresholds; that is, the longer the interval, the larger the thresholds must be. For instance, saeLogins is a counter of the total number of SAE logins. With the default interval of 60 seconds, the critical threshold of 2,000 means that a critical trap is sent if there are more than 2,000 logins within one minute. If you change the interval to 300 seconds (5 minutes), to keep the critical threshold at 2,000 logins a minute, you need to change the threshold to 10,000 (the number of logins in 5 minutes for a rate of 2,000 per minute).
- Absolute value is used for variables that are gauges, and they transition from one alarm threshold level to the next.

Related Topics

- Overview of SNMP Traps
- Trap Numbers in Performance Traps
- Configuring Performance Traps
- Accounting Performance Traps
- Authentication Performance Traps

